

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Inventors: Hashimoto et al.
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Group Art Unit: 1511
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Title: Anti-Inflammatory Analgesic Preparation

Declaration by TSURUDA, Kiyomi

I, TSURUDA, Kiyomi hereby declare:

1. I am a co-inventor of the above-referenced patent application and familiar with its teachings.

2. We performed mouse ear irradiation experiments to compare the effects of compositions containing ketoprofen and different UV blockers on swelling. Balb/c mice (female, 9-11 weeks of age) were used in these experiments. Ethanol solutions containing 2% ketoprofen and either 3% 4-tert-butyl-4'-methoxydibenzoylmethane (BM-DBM) or 3% Mexoryl® XL (a hydroxybenzotriazol derivative obtained from Nihon L'Oréal, Inc.) were applied to the ear of mice, followed by irradiation of 40 J/cm² of UVA. Thicknesses of the ears after 24 hours irradiation were then measured and their increases compared. Results are shown in Figure 1 attached hereto.

3. As shown by Figure 1, solutions containing 3% BM-DMA significantly suppressed the increase in ear thickness indicative of swelling as compared to solutions containing 3% Mexoryl® XL (a hydroxybenzotriazol derivative obtained from Nihon L'Oreal, Inc.)

I hereby declare that all statements herein of my own knowledge are true and that all statements made on information or belief are believed to be true; and further that these statements were made with the knowledge that willful statements and the like so made are punishable by fine or by imprisonment, or both, under §1001 of Title 18 of the United States code, and that such willful statements may jeopardize the validity of the application, any patent issuing there upon, or any patent to which this verified statement is directed.

Kiyomi Tsuruda
TSURUDA, Kiyomi

Date: Mar 10 / 2010

Mouse Ear Photoirradiation Experiment

